

WHAT IS CLAIMED IS:

1. A transmission system of an eyebrow-beautifying device, comprising:

5 a needle assembly including a post, a needle projected upward from the post and a top sleeve for permitting the needle to either project therefrom or retract thereinto;

a joining member including a lower section having a longitudinal cut, the joining member being coupled to a lower portion of the post of the needle assembly;

10 a substantially zigzag transmission unit including a top section coupled to the lower section of the joining member and a bottom connecting member;

a connecting unit including two vertical sections at both sides, a horizontal section on the top, a central slot between a bottom portion of two vertical sections, and a pivot hole through a bottom of the vertical sections and the slot;

15 a lever member including a first aperture, a keyhole coupled to the connecting member, and two contacts at bottoms of both sides, the lever member being pivotably disposed in the slot by inserting a pin through the pivot hole;

a slanted seat including a lower shaft sleeve;

20 a motor including a shaft projected from a top and two diametrically disposed projections on the top; and

a cylinder having a C-shaped section and including a central hole on a bottom for permitting the shaft sleeve of the slanted seat to pass through to be fastened around the shaft of the motor, and two diametrically disposed second
25 apertures on the bottom, the second apertures being adapted to snugly receive the projections of the motor when the cylinder is rested on the motor,

whereby a rotation of the shaft will rotate the slanted seat for moving the

transmission unit up and down cyclically and projecting the needle from the top sleeve and retract thereinto cyclically.

2. The transmission system of claim 1, wherein the cylinder further comprises
5 two diametrically disposed recesses on an inner wall, the recesses being adapted to snugly receive the vertical sections of the connecting unit prior to threadedly securing the cylinder to the connecting unit by driving fasteners through the cylinder into the vertical sections of the connecting unit.
- 10 3. The transmission system of claim 1, wherein the bottom connecting member having a vertically oriented slit shaped section is extended laterally into the keyhole for fastening.
4. The transmission system of claim 1, wherein the transmission unit further
15 comprises a first L-shaped section connected to the lower portion of the top section, a second L-shaped section connected to the lower portion of the first L-shaped section, a third L-shaped section connected to the lower portion of the second L-shaped section, and a bottom connecting member connected to the lower portion of the third L-shaped section in which the vertical portion of the
20 first L-shaped section is parallel to the vertical portion of the second L-shaped section, the vertical portion of the second L-shaped section is parallel to the vertical portion of the third L-shaped section, the horizontal portion of the first L-shaped section is vertical to the horizontal portions of the second L-shaped section and the third L-shaped section wherein the bottom connecting member
25 is integrally formed with the horizontal portion of the second L-shaped section, and the connecting member being extended laterally from a vertically oriented slit of the vertical portion of the third L-shaped section.

5. The transmission system of claim 1, wherein the contacts of the lever member rest on a periphery of the slanted seat, a pivot point of the transmission unit and the lever member is disposed above the contacts, and a torque of the lever member is substantially the same as that of the transmission unit.

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6. The transmission system of claim 1, wherein the slanted seat further comprises a replaceable wear-resistant member on the slanted seat.

7. A transmission system of an eyebrow-beautifying device, comprising:

10 a substantially zigzag transmission unit including a top section having a post, a needle projected upward from the post and a top sleeve for permitting the needle to either project therefrom or retract thereinto and a bottom connecting member;

a connecting unit including two vertical sections at both sides, a horizontal
15 section on the top, a central slot between two vertical sections, and a pivot hole through a bottom of the vertical sections and the slot;

a lever member including a first aperture, a keyhole coupled to the connecting member, and two contacts at bottoms of both sides, the lever member being pivotably disposed in the slot by inserting a pin through the pivot
20 hole;

a slanted seat including a lower shaft sleeve;

a motor including a shaft projected from a top and two diametrically disposed projections on the top; and

a cylinder having a C-shaped section and including a central hole on a
25 bottom for permitting the shaft sleeve of the slanted seat to pass through to be fastened around the shaft of the motor, and two diametrically disposed second apertures on the bottom, the second apertures being adapted to snugly receive

the projections of the motor when the cylinder is rested on the motor,

whereby a rotation of the shaft will rotate the slanted seat for moving the transmission unit up and down cyclically and projecting the needle from the top sleeve and retract thereinto cyclically.

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8. The transmission system of claim 7, wherein the cylinder further comprises two diametrically disposed recesses on an inner wall, the recesses being adapted to snugly receive the vertical sections of the connecting unit prior to threadedly securing the cylinder to the connecting unit by driving fasteners
10 through the cylinder into the vertical sections of the connecting unit.

9. The transmission system of claim 7, wherein the bottom connecting member having a vertically oriented slit shaped section is extended laterally into the keyhole for fastening.

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10. The transmission system of claim 7, wherein the transmission unit further comprises a first L-shaped section connected to the lower portion of the top section, a second L-shaped section connected to the lower portion of the first L-shaped section, a third L-shaped section connected to the lower portion of the
20 second L-shaped section, and a bottom connecting member connected to the lower portion of the third L-shaped section in which the vertical portion of the first L-shaped section is parallel to the vertical portion of the second L-shaped section, the vertical portion of the second L-shaped section is parallel to the vertical portion of the third L-shaped section, the horizontal portion of the first
25 L-shaped section is vertical to the horizontal portions of the second L-shaped section and the third L-shaped section wherein the bottom connecting member is integrally formed with the horizontal portion of the second L-shaped section,

and the connecting member being extended laterally from a vertically oriented slit of the vertical portion of the third L-shaped section.

5 **11.** The transmission system of claim 7, wherein the contacts of the lever member rest on a periphery of the slanted seat, a pivot point of the transmission unit and the lever member is disposed above the contacts, and a torque of the lever member is substantially the same as that of the transmission unit.

10 **12.** The transmission system of claim 7, wherein the slanted seat further comprises a replaceable wear-resistant member on the slanted seat.